KORNIYENKO, V.S., inzh.; VITLIN, A.S., inzh.

Machines with wear-resistant cutters for the automatic air-Arc machining of metals. Sudostroenie 29 no.4:51-54 Ap '63. (MIRA 16:4)
(Electric metal cutting)

ZEN'KOV, Ivan Stepanovich, prof.; SEREBRENNYY, German Nisonovich, dots.; KORNIYENKO, V.S., inzh., nauchnyy red.; KLENDO, M.A., red.izd-va; GOL'BERG, T.M., tekhn. red.

[Examples of organization planning in construction and erection work] Primery proektirovaniia organizatsii stroitel'no-montazhnykh rabot; opyt diplomnogo proektirovaniia. Moskva, Gosstroiizdat, 1963. 170 p. (MIRA 16:12)
(Construction industry--Management)

DANCHENKO, K.V., inzh., red.; KALININ, B.P., inzh., red.; KOPP, L.M., inzh., red.; KORNIYENKO, V.S., inzh., red.; LEVIN, L.I., inzh., red.; STRASHNYKH, V.P., red.izd-va; MOCHALINA, Z.S., tekhn. red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.3. Sec.V.ch.5. [Regulations for production, erection and acceptance of metal structures] Metallicheskie konstruktsii; pravila izgotovleniia, montazha i priemki (SNiP III-V. 5-62). 1963. 92 p. (MIRA 16:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet Soveta Ministrov SSSR po delam stroitel'stva (for Danchenko). 3. Mezhduvedomstvennya komissiya po peresmotru Stroitel'nykh norm i pravil (for Kalinin). 4. Proyektnyy institut Glavnogo upravleniya po proizvodstvu i montazhu stal'nykh konstruktsiy Ministerstva stroitel'stva RSFSR (for Kopp, Korniyenko). 5. Gosudarstvennyy institut po proyektirovaniyu, issledovaniyu i ispytaniyu stal'nykh konstruktsiy i mostov (for Levin).

(Building, Iron and steel)

KOPERIN, V.V.; KORNIYENKO, V.S., inzh., nauchn. red.; PATENOVSKAYA, M.I., red.izd-va; RODIONOVA, V.M., tekhn. red.

[Installation of metal cutting and forging press equipment] Montazh metallorezhushchego i kuznechno-pressovogo oborudovaniia. Moskva, Gosstroiizdat, 1963. 259 p.
(MIRA 17:2)

REVENKO, Ivan Grigor'yevich [deceased]; KORNIYENKO, V.S., nauchn. red.

[Layout of metal structures; an aid for designers] Razmetka metallokonstruktsii; v pomoshch' razmetchiku. Moskva, Stroiizdat, 1964. 139 p. (MIRA 17:11)

KORNIYENKO, Viktor Stepanovich, laureat Leninskoy premii inzh.; POPOVSKIY, Bogdan Vasil'yevich, laureat Leninskoy premii kand. tekhn. nauk; LINEVICH, Georgiy Vladimirovich, inzh.; GAY, A.F., inzh., nauchn. red.

[Preparing and erecting steel reservoirs and gasholders] Izgotovlenie i montazh stal'nykh reservuarov i gazgol'derov. Moskva, Stroiizdat, 1964. 319 p. (MIRA 17:6)

ACCESSION NR: AP4015108 S/0122/64/000/002/0031/0034

AUTHORS: Korniyenko, V. S. (Engineer); Vitlin, A. B. (Engineer)

TITLE: A machine for air metal-arc cutting

SOURCE: Vestnik mashinostroyeniya, 44 no. 2, 1964, 31-34

TOPIC TAGS: metal arc cutting, disk electrode, compressed air, electric regulator, electric arc, workpiece, epoxy resin ED 6

ABSTRACT: An experimental device utilizing a stationary but variable current arc and a rotating disk-electrode for metal-arc cutting was designed and tested. A 380-volt source is used to supply a variable current to the disk which (upon rotating) admits compressed air through three channels into the space between the lower edge of the rotating disk and the workpiece (see Fig. 1 on the Enclosure). Between the nearest edge of the disk and the workpiece (1-15 mm gap) a 30-volt arc is struck which melts the metal, and the melt is then carried away by the compressed air. As the distance between the disk electrode and the workpiece increases, an electric regulator operates a servomechanism which in turn shortens the distance between the disk and the workpiece. Experiments show that the electric arc is

Card 1/3

ACCESSION NR: AP4015108

stable and that the metal removal rate is 2000 mm^3/sec at 300 amps and 6000 mm^3/sec at 800 amps. The cutting rate does not depend on the type of steel used as the workpiece. In these experiments the disk was prepared from epoxy resin ED-6 with addition of silicon carbide grains. A detailed list is given of the operating conditions of the device, and it is shown that it can also be used to form circular taps and holes in various steel pieces. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 12Mar64 ENCL: 01

SUB CODE: MM NO REF SOV: 006 OTHER: 000

Card 2/3

ACCESSION NR: AP4015108

ENCLOSURE: 01

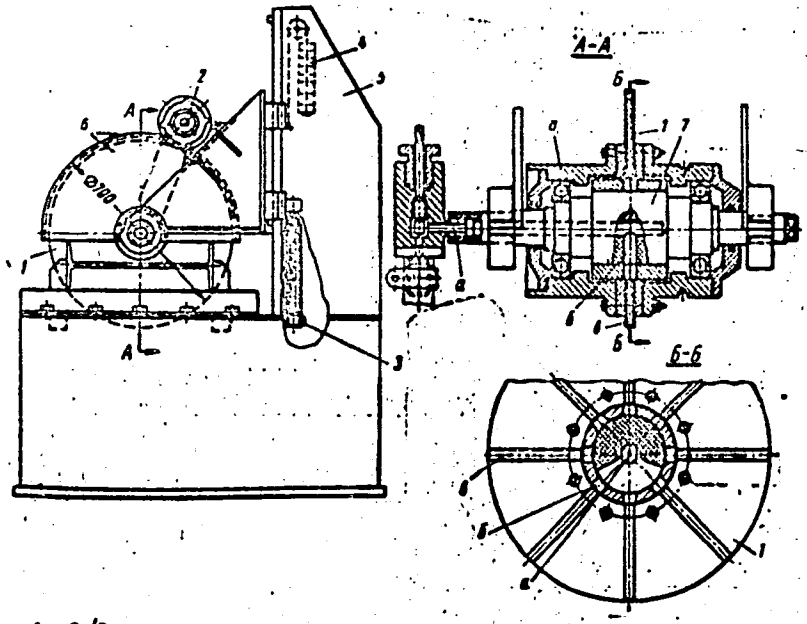

Fig. 1. Machine for air metal-arc cutter (general and side views): 1 - disk electrode; 2 - disk servo-rotor, 3 - disk servo-feed; 4 - counterweight; 5 - frame; 6 - disk casing; 7 - axis; 8 - connecting piece.

Card 3/3

KORNIYENKO, Viktor Stepanovich; RIVKIN, Yuriy Moiseyevich; ZHURAVLEV, B.A., red.

[Safety manual for assemblers of vertical tanks] Pamiatka po tekhnike bezopasnosti dlia montazhnikov vertikal'nykh rezervuarov. Moskva, Stroiizdat, 1964. 34 p. (MIRA 18:8)

KORNIYENKO, V.T.

Treatment of tuberculosis patients expectorating Mycobacterium tuberculosis resistant to antibiotics. Probl. tub. no.7:17-24 '64. (MIRA 18:10)

1. Kafedra tuberkuleza (zav. ... chlen-korrespondent AMN SSSR prof. F.V. Shebanov) I Moskovskogo meditsinskogo instituta imeni Sechenova.

KORNIYENKO, Viktor Trofimovich; STEBUNOV, N.S., red.; MISHNAYEVSKAYA, G.V., mlad. red.

[Prices and consumers' demand; influence of price on consumers' demand, and the methodology of planning prices for consumers' goods] TSeny i potrebitel'skii spros; voprosy vozdeistviia tseny na potrebitel'skii spros i metodologiia planirovaniia tsen na tovary narodnogo potrebleniia. Moskva, Ekonomika, 1964. 126 p. (MIRA 17:6)

KORNIYENKO, Viktor Trofimovich; DAVYDOV, V.S., red.; KOGAN, Ye.L., red.; ATROSHCHENKO, L.Ye., tekhn. red.

[Price and national consumption] TSena i narodnoe potreblenie. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no.18) (MIRA 16:12)

(Consumption (Economics)) (Prices)

KORNIENKO, V.I.

PHASE I BOOK EXPLOITATION SOV/4178

Akademiya nauk Ukrayins'koyi RSR. Instytut budivel'noyi mekhaniky

Zadachi termopruzhnosti v energomashynobuduvanni (Problems of Thermoelasticity in Power-Machinery Construction) Kyyiv, 1960. 176 p. 1,000 copies printed.

Ed. of Publishing House: T.K. Remennik; Resp. Ed.: H.M. Savin, Academician, Academy of Sciences UkrSSR; Tech. Ed.: O.M. Lysovets'.

PURPOSE: This book is intended for turbine designers.

COVERAGE: This book is a collection of 8 Ukrainian articles based on work under the general supervision of A.D. Kovalenko. Each article has a short summary in Russian. The object of the study is to test turbine elements for stress conditions, especially those due to nonuniform heating. References accompany each article.

AVAILABLE: Library of Congress

Card 1/3

(6)

AC/ml/afm
10/4/60

KORNIYENKO, V. T.

Cand Tech Sci - (diss) "Study of thermal stresses in round plates of variable thickness." Kiev, 1961. 8 pp; (Academy of Sciences USSR, Inst of Mechanics); 150 copies; price not given; (KL, 7-61 sup, 238)

KORNIYENKO, V.T. [Korniienko, V.T.]

Investigating solutions of Heun's equations. Visnyk Kyiv. un. Ser. astron., mat. ta mekh. no. 1:83-96 '58. (MIRA 14:5)
(Differential equations)

KORNIYENKO, V.T., inzh.

Compound stressed state of thin circular plates with a constant or variable thickness subjected to an uneven heating. Rasch.na prochn. no.7:275-287 '61. (MIRA 14:11)
(Elastic plates and shells)
(Thermal stresses)

KORNIYENKO, V. T.

43152
S/124/62/000/008/027/030
I054/I254

10.6400

AUTHOR: Kornyenko, V.T.

TITLE: Thermal stresses in a disc with variable thickness and variable modulus of elasticity

PERIODICAL: Referativnyy zhurnal, Mekhanika, Svodnyy tom. no. 8.V, 1962, 16-17, abstract 8V 117 (In coll. Teplovye napryazheniya v elementakh turbomashin. sb.1. Kiyev, AN SSSR, 1961, 77-93)

TEXT: The temperature induced stresses are investigated in a disc of variable thickness for axially symmetric heating. It is assumed that the modulus of elasticity changes in the depth of the disc following the expression:

$$E = E_0 + \frac{E_m z^m}{h^m} + \frac{E_p z^p}{h^p} .$$

(m = 1,2,3....., p = 2, 4, 6.....)

and the temperature deformation $\alpha_T T$ may be approximated by the following relation:

$$\alpha_T T = a_0(r) + \frac{a_1(r)}{h} z + \ldots + \frac{a_K(z)}{h_K} z^K .$$

Card 1/2

E_0, E_m and E_p are functions of the coordinate r, determined by the values of modulus of elasticity on the disc surface $z = 0$, $z = \pm h/2$; $a_0(r)$, $a_1(r)$..... $a_k(r)$, polynomials with integral exponents. Initially the integration of differential equations is investigated for the case when the disc surfaces $z = h/2$ and $z = -h/2$ are isothermal, and consequently any plane of the disc, at an equal distance from the middle plane, is also isothermal, and therefore the modulus of elasticity will vary with the disc thickness. The following relations are chosen to define the change of thickness:

$$h = h_0 (1-x), \quad x = \left(\frac{r}{r_2}\right)^{\alpha_0}$$

$$h = Ax^{-\alpha}, \quad x = \frac{r}{r_2}$$

where h_0, α_0, α, r_2 and A are constants. The differential equations are then integrated over the variable thickness and radius of the modulus of elasticity. It is assumed that the thickness varies according to the following relation:

$$h = h_0 (1-x)^{\beta_0/3}, \quad x = \left(\frac{r}{r_2}\right)^{\alpha_0},$$

where β_0 and r_2 are constants. Calculation examples are given.

[Abstracter's note: Complete translation.]

Card 2/2

KORNIYENKO, Viktor Trofimovich; TSONYA, A.T., red.; SELIVERSTOVA, R.L., red. izd-va; FOMICHEV, P.N., tekhn. red.

[Organization of public eating establishments] Organizatsiia predpriiatii obshchestvennogo pitaniia. Moskva, Izd-vo TSENTROSOIUZA, 1962. 142 p. (MIRA 16:12)
(Restaurant management) (Food industry)

IVANENKO, Ye.F. [Ivanenko, IE.F.]; KORNIYENKO, V.V. [Korniienko, V.V.]; MAKOVOZ, R.K.

Effect of ether anesthesia on carbohydrate metabolism in the liver. Ukr. biokhim. zhur. 33 no.1:80-87 '61. (MIRA 14:3)

1. Department of Biochemistry of the Kharkov Pharmaceutical Institute.

(ETHER (ANESTHETIC)) (CARBOHYDRATE METABOLISM)
(LIVER)

KORNIYENKO, YE. F.

Electric Currents - Grounding; Dynamos

Operation of protective devices against ground short circuit of generators.
Elek. Sta., No. 1, 1952.
Inzh. Kiyevenergo

SO: Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.

2

GIZILA, Yefim Polikarpovich, kand. tekhn. nauk, dots.; KORNIYENKO, Ye.F., inzh., retsenzent; PISARENKO, M.G., inzh., red. izd-va; MATUSEVICH, S.M., tekhn. red.

[Design of automatic control devices for electric power systems]Raschet ustroistv avtomatiki energosistem. Kiev, Gostekhizdat USSR, 1962. 211 p. (MIRA 15:10)
(Electric power distribution) (Automatic control)

KORNIYENKO, Ye.I.

VISHNEVSKAYA, S.M.; UDOVICHENKO, G.S.; BIRYUKOVA, K.V.; GERGIL'SKIY, V.L.; MUKVOZ, L.G.; RUBNITSKAYA, N.B.; KORNIYENKO, Ye.I.; GUREVICH, Ye.N.; PISARENKO, Ye.I.; GELLER, I.Yu.; LOI, T.D.; SHEVCHUK, M.K.; KHVALIBOVA, Ye.K.

Epidemiology and prevention of helminth infections in the region of construction of the Kakhovka hydroelectric project and the South Ukrainian Canal. Med. paraz. i paraz. bol. no.3:244-248 Jl-S '54. (MLRA 8:2)

1. Iz gel'mintologicheskogo otdela Ukrainskogo nauchno-issledovatel'skogo instituta malyarii i meditsinskoy parazitologii imeni prof. Rubashkina (dir. instituta I.A.Demchenko, zav. otdelom prof. Ye.S. Shul'man), iz epidemiologicheskogo otdela Kiyevskogo instituta epidemiologii i mikrobiologii (dir. instituta S.N.Terekhov, zav. otdelom otsent Yu.Ye.Birkovskiy), iz kafedry biologii i parazitologii Dnepropetrovskogo meditsinskogo instituta (zav. kafedroy dotsent V.L. Gerbil'skiy), iz Zaporozhskoy oblastnoy protivomalyariynoy stantsii (zav. stantsiyey I.P.Agafonov), iz Dnepropetrovskoy oblastnoy protivomalyariynoy stantsii (zav. stantsiyey M.K.Shevchuk, iz Nikolayevskoy oblastnoy protivomalyariynoy stantsii (zav. stantsiyey S.I.Ganyuni).

(HELMINTH INFECTIONS, prevention and control, Russia, on construction of waterways)

VISHNEVAKAYA, S.M.; SHEVCHUK, M.K.; KRAMARENKO, D.P.; KHVALIBOVA, E.I.; MUKVOZ, L.G.; GUREVICH, Ye.P.; KOVNIYENKO, Ye.I.; POTEYEVA, N.A.; PISARENKO, Ye.I.; LOY, D.D.; KORABLEV, N.G.; GELLER, I.Yu.

Epidemiology and prevention of helminth infections in the zone affected by the construction of Kakhovska reservoir and ghydro-electric station and the Upper-Ingulets Canal. Med.paraz. i paraz. bol. 25 no.2:121-127 Ap-Je '56. (MLRA 9:8)

1. Iz gel'mintologicheskogo otdeleniya Instituta malyarii i meditsinskoy parazitologii imeni prof. V.Ya.Rubashkina Ministerstva zdravookhraneniya Ukrainskoy SSR (dir. instituta I.A.Demchenko, zav. otdeleniyem - prof. Ye.S.Shul'man) i Dnepropetrovskoy Zaporozhskoy, Khersonskoy, Nikolayevskoy oblastnykh sanitarno-epidemiologicheskikh stantsiy.

(HELMINTH INFECTIONS, prev. and control in Russia, eff. of reservoir & canal constructions)

ACC NR: AR6022464 SOURCE CODE: UR/0169/66/000/003/B089/B089

AUTHOR: Korniyenko, Ye. Ye.

TITLE: Thunderstorm activity on the main air routes of the Ukraine

SOURCE: Ref. zh. Geofiz, Abs. 3B563

REF SOURCE: Geofiz. i astron. Inform. byul, no. 8, 1965, 114-117

TOPIC TAGS: civil aviation route, weather forecasting, magnetic storm

TRANSLATION: Patterns of thunderstorm activity along the air routes Kiev-L'vov, Kiev--Odessa, Kiev-Dnepropetrovsk, Dnepropetrovsk-Simferopol', and Kiev-Khar'kov were studied on the basis of observations collected at stations located not more than 50 km from each route for the period May-September of 1946-1960. Each route was considered to be an area having the length of the air route and a width of 100 km. When a thunderstorm would occur at at least one of the stations, the day was considered to be a "thunderstorm day". The number of thunderstorm days along the routes was 2.7 to 2.9 times greater than the number of thunderstorm days at any single point on the route. Similarly, the duration of thunderstorms was 6-7 times longer over a route than over any single point on it. The most favorable conditions for the development of thunderstorms were observed on the routes: Kiev-Odessa and Kiev-Dnepropetrovsk. The least favorable conditions existed on the route Dnepropetrovsk-Simferopol'. N. Davydov.

SUB CODE: 04,01

Card 1/1 UDC: 551.515.4:629.13

L 9420-66 EWT(1)/FCC GW

ACC NR: AT5028303 SOURCE CODE: UR/3133/65/000/008/0114/0117

AUTHOR: Korniyenko, Ye. Ye. 44,55

ORG: Kiev State University (Kievskiy gosudarstvennyy universitet) 44,55

TITLE: Thunderstorm activity on the principal air routes of the Ukraine 12,44,55

SOURCE: AN UkrSSR. Mezhduvedomstvennyy geofizicheskiy komitet. Informatsionnyy byulleten'. no. 8, 1965. Geofizika i astronomiya (Geophysics and astronomy), 114-117

TOPIC TAGS: storm, aeronautic meteorology, synoptic meteorology, weather station, civil aviation route, weather forecasting

ABSTRACT: The thunderstorm conditions on the Kiev-L'vov, Kiev-Dnepropetrovsk, Kiev-Odessa, Dnepropetrovsk-Simferopol', and Kiev-Kharkov air routes were studied. The work was done because of the need for understanding the integral characteristics of thunderstorm conditions over large areas. Data from the observations of weather stations located at a distance of not over 50 km from the route for May-September, 1946-1960, were used. The total duration of the thunderstorms was calculated by plotting segments corresponding to the thunderstorm duration at each station, with the dates plotted on the vertical axis and the hours on the horizontal. The remaining characteristics of the duration and daily variation were calculated from these data. The number of days with thunderstorms on the routes as a whole is 2.7--2.9

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B+1

L 9420-66

ACC NR: AT5028303

times greater than at individual points on the routes. The Kiev-Odessa and Kiev-Dnepropetrovsk air routes have the most favorable conditions for thunderstorm formation; the Dnepropetrovsk-Simferopol' route has the least favorable conditions. Thunderstorms are observed for a longer period of time on the routes than at individual points. Orig. art. has: 2 tables.

SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 003

Card 2/2 nds

L 46306-66 EWT(d)/EWT(m)/EWP(f)/T-2
ACC NR: AP6021980 (N) SOURCE CODE: UR/0308/66/000/003/0030/0031

AUTHOR: Kapitonov, I. (Junior research associate); Korniyenko, Yu. (Senior mechanic)

ORG: [Kapitonov] OVIMU

TITLE: Controlling the load of main marine diesels 10 B

SOURCE: Morskoy flot, no. 3, 1966, 30-31

TOPIC TAGS: diesel engine, marine engine, marine equipment, marine engineering

ABSTRACT: A method is proposed for controlling the load of main marine diesels based on setting up consecutive ratios between the velocity of the boat and the shaft speed of the engine. The speed of the vessel is given as v_1 while the engine rpm is designated by n_1. If ship velocity and engine speed vary, reaching values of v_2 and n_2, then $(v_1/n_2-v_2/n_1)<0$ shows a reduction in external resistance so that the power of the engine and velocity of the vessel may be increased, while if $(v_1/n_1-v_2/n_2)>0$, then the resistance of the vessel has increased and the engine is overloaded. When $v_1/n_1=v_2/n_2$, engine operation should be watched. It is difficult at present for the mechanic on duty to detect engine overload, as Soviet vessels are not equipped with speed indicators or rudder axiometers. It is recommended that these instruments be included in the engine rooms of ships now being designed. The Department of Automation of Diesel and Gas Turbine Units at the Odessa Higher Engineering Naval College has developed a

Card 1/2 UDC: 621.436.001.4

L 46306-66
ACC NR: AP6021980

test computer which can determine the relative load level of the main engine from data on the relative vessel speed and engine rpm. The proposed engine control method was checked out operationally on the seagoing tug "Gordelivyy" and on mass-produced ships of the "Bezhitsa" type with satisfactory results. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: none 21/

LS
Card 2/2

ROGOZHIN, A.P.; DEMCHENKO, V.G.; SHIBAYEV, B.N.; KORNIYENKO, Yu.A.; SHUSTOV, V.A.; BRODOVSKIY, S.S.; KALASHNIKOV, I.V.

Increasing the control of brake relays to 540 a on type G cars of the subway. Prom. energ. 12 no.7:22 Jl '57. (MLRA 10:8)
(Electric railroads--Brakes)

PETRUN, N.M.; KORNIYENKO, Z.A.

Skin respiration in patients with psoriasis. Vrach.delo no.4: 397-399 Ap '60. (MIRA 13:6)

1. Kiyevskiy nauchno-issledovatel'skiy institut gigiyeny truda i professional'nykh zabolevaniy i Kiyevskiy gorodskoy kozhno-venerologicheskiy dispanser.
(PSORIASIS) (RESPIRATION)

PETRUN', N.M.; KORNIYENKO, Z.A.

Transcutaneous respiration in subjects suffering from certain dermatoses. Vest. derm. i ven. 34 no.4:33-36 '60. (MIRA 13:12)
(SKIN—DISEASES) (RESPIRATION)

POTOTSKIY, I.I.; ROTMISTROV, M.N.; KORNIYENKO, Z.A.; MIKHNOVSKAYA, N.D.; VASILEVSKAYA, I.A.

Use of dibromosalicylamide in the treatment of pyococcal skin diseases. Vest. derm i ven. 34 no.11:27-30 N '60. (MIRA 13:12)

1. Iz kliniki kozhnykh bolezney (zav. - prof.I.I.Pototskiy) Kiyevskogo instituta usovershenstvovaniya vrachey (direktor - dotsent M.N.Umovist) i kafedry mikrobiologii (zav. - doktor biolog. nauk prof.M.N.Rotmistrov) Kiyevskogo Gosudarstvennogo universiteta (rektor - akad. I.T.Shvets).

(SALICYLAMIDES ther.)
(PYODERMA ther.)

POTOTSKIY, I. I., prof.; ROTMISTROV, M. N., prof.; KORNIYENKO, Z. A., vrach; MIKHNOVSKAYA, N. D., kand. biolog. nauk

Antimicrobial and therapeutic properties of the anilide of salicylic acid in fungal diseases of the skin. Vest. derm. i ven. no.10:67-69 '61. (MIRA 14:12)

1. Iz kliniki kozhnykh bolezney (zav. kafedroy I. I. Pototskiy) Kiyevskogo meditsinskogo instituta i kafedry mikrobiologii i antibiotikov (zav. - prof. M. N. Rotmistrov) Kiyevskogo universiteta. Rabota vypolnyalas' po zadaniyu farmakologicheskogo Komiteta pri Uchenom sovete Ministerstva zdravookhraneniya USSR.

(MONILIASIS) (MEDICAL MYCOLOGY)
(SALICYLANILIDE—THERAPEUTIC USE)

POTOTSKIY, I. I., prof.; KORNIYENKO, Z. A.

Clinical characteristics of candidosis of the skin and mucous membranes. Vrach. delo no.3:94-97 Mr '62. (MIRA 15:7)

1. Klinika dermatovenerologii (zav. - prof. I. I. Pototskiy) Kiyevskogo meditsinskogo instituta.

(MONILIASIS) (SKIN--DISEASES)
(MUCOUS MEMBRANE--DISEASES)

POTOTSKIY, I.I.,prof.;ROTMISTROV, M.N.,prof;KORNIYENKO, Z.A.; MIKHNOVSKAYA, N.D., kand.biolog.nauk; KULIK, G.V.

Treatment of epidermophytosis with 2'-chloroanilide of 5-chlorosalicylic acid. Vest.derm. i ven. no.9:42-45'62. (MIRA 16:7)

1. Iz kliniki kozhnykh bolezney (zav. - prof. I.I. Pototskiy) Kiyevskogo meditsinskogo instituta i kafedry antibiotikov (zav. - prof. M.N.Rotmistrov) Kiyevskogo gosudarstvennogo universiteta. Rabota vypolnyalas' po zadaniyu Farmakologicheskogo komiteta pri Uchenom sovete Ministerstva zdravookhraneniya UkrSSR.

(SALICYLIC ACID--THERAPEUTIC USE) (DERMATOMYCOSIS)

POTOTSKIY, I.I.; ROTMISTROV, M.N.; KORNIYENKO, Z.A.; GAMALEYA, N.F.
KULIK, G.V.

Treatment of superficial yeast lesions of the skin with sodium caprilate ointment. Vrach. delo no.8:136-137 Ag'63.
(MIRA 16:9)

1. Kafedra kozhnykh bolezney (zav. - prof. I.I.Pototskiy) Kiyevskogo meditsinskogo instituta i kafedra mikrobiologii (zav. - prof. M.N.Rotmistrov) Kiyevskogo universiteta.
(DERMATOMYCOSIS) (OINTMENTS)

KORNIYENKO, Z.A.

Disorders in thermoregulation in patients with lichen ruber planus. Vest. derm. i ven. 37 no.2:11-13 F'63. (MIRA 16:10)

1. Iz Kiyevskogo gorodskogo kozhno-venerologicheskogo dispansera (glavnyy vrach A.N.Chizhikova). Nauchnyy rukovoditel' - prof. I.I.Pototskiy.

*

POTOTSKIY, I.I., KORNIYENKO, Z.A.

Life and activities of Professor N.I.Stukovenkov, 1842 -1897.
Vest. derm. i ven. 37 no.2:73-76 F'63. (MIRA 16:10)

1. Iz kliniki kozhnykh bolezney (zav. - prof. I.I.Pototskiy) Kiyevskogo meditsinskogo instituta (dir. - dotsent V.D. Bratus')

*

KORNIYENKO, Z.P., doktor veterinarnykh nauk (Koneva); TENDETNIK, Yu.Ya., meditsinskiy vrach; CHARYYEV, O.Ch., veterinarnyy vrach.

Using a predaceous fungus for ridding horse manure of strongyloid larvae. Veterinariia 33 no.11:74 N '56. (MLRA 9:11)
(Fungi) (Nematoda)

KORNIYENKO, Z.P.; BELOVA, Ye.M.; KARIMOV, Sh.M.

Study of visceral leishmaniasis in Ashkhabad dogs. Vop.kraev. paraz.Turk.SSR 3:161-167 '62. (MIRA 16:4)

1. Sel'skokhozyaystvennyy institut imeni M.I.Kalinina, Institut epidemiologii i gigiyeny, Ashkhabad i Meditsinskiy institut, Ashkhabad.
(ASHKHABAD--LEISHMANIASIS) (ASHKHABAD--DOGS--DISEASES AND PESTS)

KORNIYENKO (Konaye)

KORNILENKO (Koneve), Z.P. (Candidate of Veterinary Sciences) and FEDOROV, S. V. (Parasitology Department, Turkmen Veterinary Experimental Station).

Treatment of hemosporidioses of sheep with novoplasmine (LP_4).

Source: Veterinariya; 4-5; April/May 1945 uncl

TABCON

KORNIENKO (Koneva), Z.P., Cand. Vet. Sci.; TIKHONOV, Vet.; TIMOFREV, Vet. Tech.

Veterinary Faculty, Turkmen Agricultural Institute

"About the LP_2 in treatment of hemosporidioses of horses."

SO: Veterinariia 24(3) 1947 p. 24

KORNIENKO (KONEVA), Z.P., Cand. of Vet. Sciences

"Testing of new preparation LP in treatment of blood parasitic diseases."

SO: Vet. 24 (7) 1947, p. 10

KORNIYENKO-KONEVA, Z.P.

"Treatment of Haemosporidian Infections in Calves with LP-2 and the Intramuscular Introduction of Flavacridine," Z.P.KORNIYENKO-KONEVA, Candidate of Veterinary Medicine; M.D.Orekhov, N.G.Nikitin, I.F.Borisov, Veterinary Doctors, Turkmen Veterinary Experimental Station, lp

Experiments show that LP-2 and flavacridine are equally effective. However, LP-2 has several advantages; it is readily soluble in distilled water; it can be injected subcutaneously, instead of intravenously; and has no toxic effect in calves. (FDB;71T74)

SO:Veterinariya;No.3;Mar 1948

uncl deg

[illegible] KAYEVA, Z. P., ANURYSVA, L. M.

Sheep - Diseases

Haemosporidioses among the lesser Bovidae and agents that carry them in Turkmenistan. Izv. Turk. fil. AN SSSR No. 1, 1951.

Monthly List of Russian Accessions, Library of Congress June 1953. UNCL.

KORNIYENKO-KONEVA, Zoya Petrovna

(Turkmen Agricultural Inst imeni Kalinin), Academic degree of Doctor of Veterinary Sciences, based on her defense, 31 May 1955, in the Council of the All-Union Inst of Experimental Veterinary Medicine, of her dissertation: "Anaplasmosis in large horned cattle."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 18, 10 Sep 55, Byulleten' MVO SSR, No. 17, Sep 56, Moscow, pp 9-16, Uncl. JPRS/NY-435

COUNTRY : USSR
CATEGORY : Diseases of Farm Animals. Diseases Caused by Helminths R
ABS. JOUR. : RZhBiol., No. 6 1959, No. 25993

AUTHOR : Korniyenko, Z. P.; Tendetnik, Yu. Ya.; Charyyev,*
INST. : Turkmen Agricultural Institute
TITLE : Use of Predatory Fungi for the Control of Strongylatoses of Solidungulate Animals

ORIG. PUB. : Tr. Turkm. s.-kh. in-ta, 1957, 9, 308-311

ABSTRACT : In the soils of Turkmenia there are up to 15 species of predatory hyphomycetes whose way of life is saprophytic and which form traps when in the presence of nematodes or their larvae. With a view to destroying the larvae of helminths from the suborder Strongylata, the authors tested the predatory hyphomycetes of 5 species: Arthrobotrys oligospora, A. dolioformis, Trichothecium

*O. Ch.

CARD: 1/4

COUNTRY :
CATEGORY : R
ABS. JOUR. : RZhBiol., No. 6 1959, No. 25993

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : globospora var. microspora, T. globospora var. rosae and Dactylaria brachophaga. The effect of these hyphomycetes was tried on 120 specimens of feces containing the ova of horse Strongylata. The preparation containing spores of a definite species of predatory fungus was mixed with 5% of fecal matter and the latter was moistened periodically. In order to ascertain the possibi-
cont'd.

CARD: 2/4

COUNTRY :
CATEGORY : R

ABS. JOUR. : RZhBiol., No. 6 1959, No. 25993

AUTHOR :
INST. :

KORNIYENKO, Z.P. (Konova); BELOVA, Ye.M.; KARIMOV, S.M.; ANNAVELIYEV, O.A.

On visceral leishmaniasis in dogs in Ashkhabad. Med.paraz.i paraz. bol. 37 no.5:609 S-O '59. (MIRA 13:4)

1. Iz Turkmenskogo sel'skokhozyaystvennogo instituta imeni M.I. Kalinina, Ashkhabadskogo instituta epidemiologii i gigiyeny Turkmenskogo meditsinskogo instituta imeni I.V. Stalina.
(LEISHMANIASIS VISCERAL epidemiol.)

NAGORNYY, A.I.; SHCHEGLOVA, A.G.; KULEMZIN, K.N.; SHTUKKERT, V.A.; KORNIYENKOV, N.K.; TKACHENKO, D.N.

Manufacture of glazed products at a brick plant. Stroi. mat. 11 no.7:6 Jl '65. (MIRA 18:8)

1. Alma-Atinskiy nauchno-issledovatel'skiy institut stroitel'nykh materialov (for Nagornyy, Shcheglova, Kulemzin). 2. Karagandinskiy kirpichnyy zavod No.3 (for Shtukkert, Korniyenkov, Tkachenko).

DUBASOV, B.M., otv. red.; KORNIYENKOV, V.Ya., red.

[25 years of Soviet Lithuania; a statistical abstract]
25 let Sovetskoi Litvy; statisticheskii sbornik. Vilnius,
Statistika, 1965. 270 p. (MIRA 18:8)

1. Lithuanian S.S.R. Centrine statistikos valdyba.

KORNIYETS, A.N.

Starting and self-starting of the AF3-4500-1500 electric engine with a shortened rotor. Gaz. prom. 8 no.3:40-42 '63
(MIRA 17:7)

LEBEDEV, Y.S.; KORNIYETS, D.V.

Optimum values of high pressures and temperatures in studying the physical parameters of matter in the earth's crust. Geofiz. sbor. no.4:14-18 '63.

Study of the earth's upper mantle in the U.S.S.R. 112-123
(MIRA 16:9)

1. Institut geofiziki AN UkrSSR.

ACC NR: AT7004131 SOURCE CODE: UR/3169/66/000/017/0022/0034

AUTHOR: Korniyets, D.V.

ORG: Institute of Geophysics, AN UkrSSR (Institut geofiziki AN UkrSSR)

TITLE: Investigation of elastic wave propagation velocity in granites of the Ukrainian shield (at pressures up to 1500 bar)

SOURCE: AN UkrSSR. Geofizicheskiy sbornik, no. 17, 1966. Fizicheskiye svoystva gornykh porod (Physical properties of rocks), 22-34

TOPIC TAGS: ~~rock elasticity,~~ seismic wave propagation, ultrasonic wave propagation, ~~elastic wave propagation, velocity profiling, earth crust~~ solid physical property, mineral, hydraulic equipment

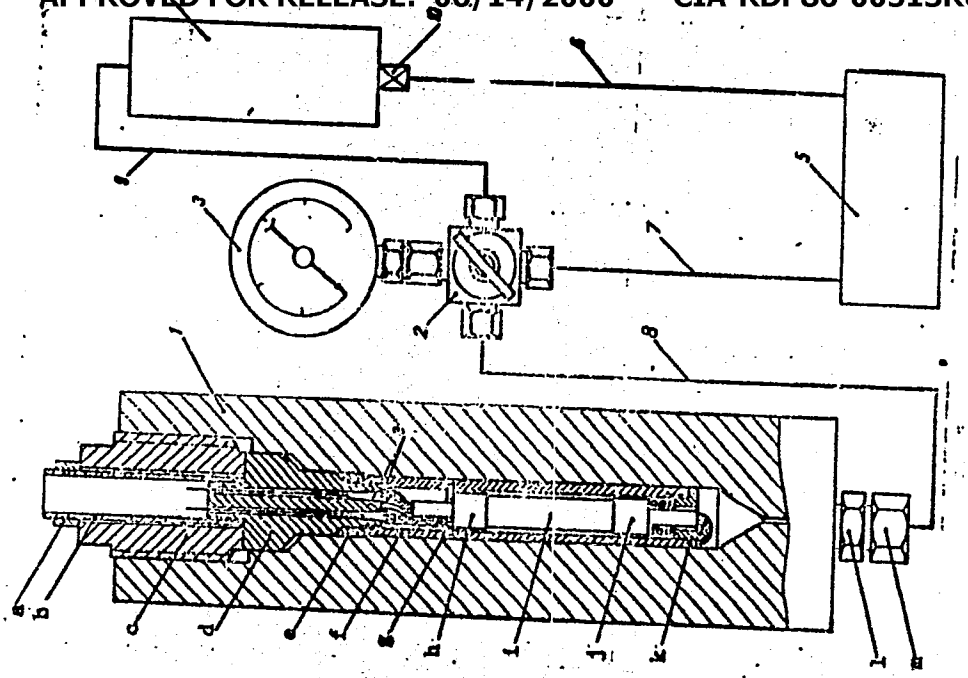
ABSTRACT:

Laboratory experiments have been conducted in the Institute of Geophysics of the Ukrainian Academy of Sciences with a newly designed high-pressure hydraulic installation (see Fig. 1) to measure rock properties and seismic wave propagation at pressures up to 1500 bars. Specifically, elastic wave velocities in igneous rock samples taken from the Ukrainian shield were examined. The wave velocities in granite samples were measured with the standard IPA apparatus (portable ultrasonic pulse apparatus). Pressure in the hydraulic installation was regulated by a multiway shut-off valve (see Fig. 2). The transmission time of the ultrasonic wave through the rock sample

Card 1/5 UDC: none

ACC NR: AT7004131

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824720019-



Card 2/5

Fig. 1. Diagram of the 1500 bar installation to investigate the physical properties of rocks

1 - High pressure apparatus (a - extractor nut, b - outlet, c - shut-off nut, d - plug, e - seal, f - electric inlets, g - adjusting sleeve, h - thrust bushing, i, j - sensors, k - rock sample, l - bottom of adjusting sleeve, m - nipple, n - swing nut); 2 - shut-off valve; 3 - manometer; 4 - tank; 5 - high pressure pump; 6 - 9 main lines; 10 - cock.

was determined as a function of pressure from head wave arrivals. The experimental method used permitted longitudinal wave velocities to be measured with an accuracy of ±0.7—1.4%. As a result of the experiments, it was found that at a pressure of 1500 bars and under natural moisture conditions the longitudinal wave velocity in the samples increased by 5.1—8.5%. Granite samples that had been preheated to temperatures of 110—113C showed a relative velocity change of 22—33%. A definite relationship was found to exist between the relative velocity increase at a given pressure and the density and porosity values of granite samples that had not been exposed to high temperatures. Granites with greater porosity and smaller density were characterized by a significantly greater relative velocity increase. An intense velocity increase takes place to a depth of about 1—1.5 km after which to about a depth of 6 km it increases with a gradient of the order of

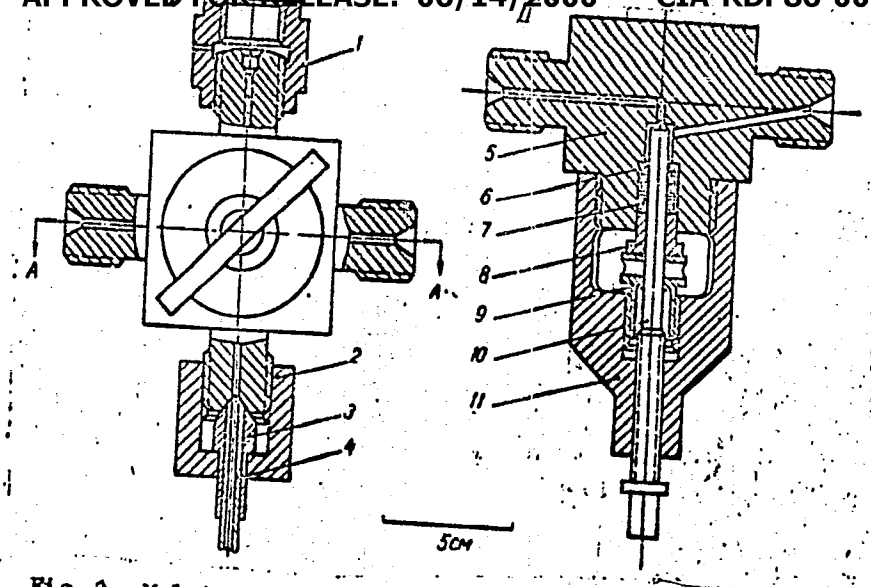


Fig. 2. Multiway shut-off valve for 2000 bar

ACC NR: AT7004131

1 - General view; II - section A-A: 1 - tie nut; 2 - swing nut ; 3 - nipple; 4 - thick-walled tube; 5 - body; 6 - bushing; 7 - packing; 8 - retaining sleeve; 9 - press unit; 10 - rod; 11 - barrel.

10—20 m/sec km. In general, samples that had not been exposed to high temperatures showed a stable velocity change, $V = f(P)$. The author thanks T. S. Lebedev, V. I. Shapoval, N. F. Fridman, Yu. P. Orovetskiy, V. V. Golovatyuk, V. A. Korchin, V. A. Fomichev, and A. K. Chashchin. [DM]

SUB CODE: 08/ SUBM DATE: 17Sep65/ ORIG REF: 015/ OTH REF: 002/
ATD PRESS: 5114

Card 5/5

ACCESSION NR: AT4016591 S/2819/63/000/004/0112/0123

AUTHOR: Lebedev, T. S.; Korniyets, D. V.

TITLE: Optimum pressure and temperature values for investigation of the physical parameters of matter in the earth crust

SOURCE: AN UkrRSR. Inst. Geofiz. Geofiz. sb., no. 4(6), 1963. Kompleks. Geofiz. issled. territor. Ukrainy* (Complex geophysical investigations of the Ukraine), 112-123

TOPIC TAGS: geology, geophysics, earth crust, rock, high temperature geophysics, high pressure geophysics, Moho

ABSTRACT: The Laboratoriya vy*sokikh davleniy Instituta fiziki Zemli AN SSSR (High Pressure Laboratory, Institute of Geophysics, AN SSSR) has studied the physical properties of certain rocks at pressures up to 5,000 atmospheres and in some cases at temperatures up to 1,000C; still higher pressures are being used at the present time. The Institut geokhimii i analiticheskoy khimii im. akad. I. V. Vernadskogo AN SSSR (Institute of Geochemistry and Analytical Chemistry) is systematically studying geochemical processes at 3,000-5,000 atmospheres and 500-1,000C. Other institutes of the SSSR Academy of Sciences have developed apparatus for research at 30,000-40,000 atmospheres and 1,500-2000C. An attempt is made to esti-

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ACCESSION NR: AT4016591

mate the range of temperatures and pressures which are pertinent for study of the earth's deep structure so that apparatus can be designed to meet these requirements. A review of the literature on pressures at great depths indicates that at 40 kilometers the mean maximum pressure is more than 15,500 kg/cm^2 and hydrostatic pressure at the same depth somewhat exceeds 11,000 kg/cm^2. Experiments at 15,000 kg/cm^2 approximate conditions near the Mohorovicic discontinuity; experiments with a hydrostatic pressure of about 20,000 kg/cm^2 approximate conditions below this discontinuity (where the Moho lies at a depth of 45-50 km). Postulated temperatures at various depths are reviewed. Special attention is given to shield areas, since the authors have a particular interest in the Ukrainian shield. At depths of 30 km temperatures range from about 600C to as much as 1,000C in special cases. It is concluded that laboratory studies of the behavior of rocks at high pressures and temperatures should be formulated to consider pressures of 15,000-20,000 kg/cm^2 and temperatures of 500-1,000C. Initial efforts should be limited to 15,000 kg/cm^2; as experience is accumulated the experimental temperatures can be increased. However, in designing apparatus the need for ultimately making investigations at 20,000 kg/cm^2 must be given serious consideration. Orig. art. has: 2 formulas and 2 tables.

ASSOCIATION: INSTITUT GEOFIZIKI AN UKRSSR (Geophysics Institute, AN Ukr SSR)
SUBMITTED: 01Mar63 DATE ACQ: 11Mar64 ENCL: 00
SUB CODE: AS NO REF SOV: 000 OTHER: 000
Card 2/2

ACCESSION NR: AT4016590 S/2819/63/000/004/0014/0018

AUTHOR: Lebedev, T.S.; Korniyets, D.V.

TITLE: Investigations of the earth's upper mantle in the SSSR

SOURCE: AN UkrRSR. Inst. geofiz. Geofiz. sb., no. 4(6), 1963. Kompleks. geofiz. issled. territor. Ukrainy* (Complex geophysical investigations of the Ukraine), 14-18

TOPIC TAGS: geology, upper mantle, geonomy, cosmogony, earth tide, silica, high pressure, geophysics, silicate, earth core, metallic state, helium, lithium, earthquake, surface wave, seismic wave, velocity profile, travel-time curve, seismology, seismic activity, magneto-telluric method, geomagnetism, magnetic field, earth crust, lava, vulcanism, tectonophysics, deep seismic sounding, Quaternary glaciation, eclogite, ultrabasite.

ABSTRACT: A conference on the theme "The Earth's Upper Mantle" was held in Moscow during the period 24 January - 5 February 1963. A large number of the reports presented already have been published. Summaries of the following reports are given in the conference report. V. V. Belousov -- development of a new earth science to be called geonomy. V. S. Safronov -- theory of the earth's formation by accumulation of solid particles and bodies. N. N. Pariyskiy -- study of the horizontal nonhomogeneities of the mantle on

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ACCESSION NR: AT4016590

the basis of earth tides. P. S. Mantveyev -- anomalies of tidal deformations of the earth's surface in the SSSR. V. A. Magnitskiy and Yu. A. Meshcheryakov -- recent vertical movements of the crust and their geophysical interpretation. Ye. A. Lyubimova -- heat flux on shields in a zone of recent movements. Yu. N. Ryabinin -- influence of high pressure on certain properties of solid bodies. S. M. Stishov -- a rutile-like modification of silica and phase changes in the earth's interior. L. V. Al'tshuller -- shock compression of silicates and metals and possible composition of the earth's mantle and core. V. N. Zharkov and V. A. Kalinin -- determination of the equations of state of rocks at high pressures. V. P. Trubitsyn and F. R. Ulinich -- possible pressures during the transition of helium and lithium into a metallic state. S. A. Fedotov -- new data on the upper mantle in the southern Kurile Islands. N. V. Kondorskaya -- earthquake distribution in the Kurile-Kamchatka arc. Z. S. Ivanov and others -- use of surface waves for study of structure of the upper mantle. N. V. Shebalin -- the upper boundary of the layer of low velocities in the upper mantle. T. B. Yanovskaya and I. Ya. Azbel' -- determination of the velocity profile of the earth's mantle from the travel-time curves of P waves. N. N. Matveyev and A. S. Alekseyev -- use of a computer to find variants of structure of the upper mantle best fitting travel-time curves for deep-focus earthquakes. V. P. Orlov -- anomalies of secular variation of seismic activity in Tadzhikistan and the East European Platform. A. N. Tikhonov and others -- electromagnetic parameters of the upper mantle as determined by the magnetotelluric method. V. I. Pochtarev -- importance of the mantle in studies of geomagnetism.

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ACCESSION NR: AT4016590

T. N. Simonenko -- the anomalous magnetic field of the SSSR. V. V. Belousov -- structure and development of the earth's crust and upper mantle. Yu. M. Sheynman -- composition and origin of lavas and structure of the upper mantle in the North Atlantic region. G. S. Gorshkov -- vulcanism and the upper mantle. N. I. Khitrov -- the earth"s crust -- upper mantle transition zone. N. A. Belyayevskiy and V. V. Fedynskiy -- study of great depths in the SSSR. Ye. M. Rudich -- structure and development of the earth's crust in East Asia. I. V. Litvinenko -- structure of the earth's crust on the Baltic shield using deep seismic sounding data. M. V. Gzovskiy -- problems in tectonophysics, associated with study of the upper mantle. G. Z. Gurariy and I. A. Solov'yev -- structure of the crust and density of matter in the mantle. S. A. Ushakov -- isostatic state of regions of Quaternary glaciation. G. D. Afanas'yev -- relationships between the upper mantle and crust. N. P. Vasil'kovskiy -- differentiation of matter and formation of the crust. I. P. Kosminskaya -- stratification of the earth's crust as indicated by deep seismic sounding. G. B. Udintsev -- relief of the Pacific Ocean floor. V. I. Popov -- formations and relationship to deep structure of the crust. G. S. Shteynberg and M. I. Zubin -- relationship between vulcanism and development of geological structures. I. A. Yefimov -- the eclogite formation of Northern and Southern Kazakhstan. S. V. Moskalev -- genesis of ultrabasite in relation to upper mantle processes. Orig. art has: no graphics.

ASSOCIATION: Institut geofiziki AN UkrSSR (Geophysics Institute, AN UkrSSR)

Card 3/4

YAREMENKO, L.N.; KORNIYETS, D.V.

Variations of the earth's magnetic field according to observations made at the Demidovo Magnetic Observatory. Mezhdunar. geofiz. god [Kiev] no.2:84-92 '60. (MIRA 14:1)

1. Institute of Geological Sciences of the Academy of Sciences of the Ukrainian S.S.R.
(Magnetism, Terrestrial—Observations)

LEBEDEV, T.S.; KORNIYETS, D.V.

Experimental studies of physical properties of rocks subjected to high pressures and temperatures. Geofiz.sbor. no.2:118-121 '62.
(MIRA 16:3)

1. Institut geofiziki AN UkrSSR.
(Earth—Surface)

LEBEDEV, Taras Sergeyevich; KORNIYETS, Dar Vasil'yevich; SUBBOTIN, S.I., akademik, otv. red.; KHOZANET, S.M., red.; TURBANOVA, N.A., tekhn. red.

[Heat of the earth] Teplo Zemli. Kiev, Izd-vo AN Ukr.SSR, 1963. 63 p. (MIRA 16:11)

1. Akademiya nauk Ukr.SSR (for Subbotin).
(Earth temperature)

KORNIYETS, L.

Glorious 40th anniversary of the Great October Revolution. Muk.-elev. prom. 23 no.11:1-3 N '57. (MIRA 11:1)

1. Ministr khleboproduktov SSSR.
(Granaries) (Grain milling)

KORNIYETS, M.N.

Adjustable electric drive for compressors of the Stavropol-Moscow gas pipeline. Gaz.prom. 4 no.6:46-48 Je '59.
(MIRA 12:8)

(Gas, Natural--Pipelines)

3(5) SOV/21-59-5-20/25

AUTHOR: Korniyets, N.L.

TITLE: Signs of Sexual Dimorphism in the Lower Jaws of the Mammoth

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 5, pp 538-542 (USSR)

ABSTRACT: Quite a few mammoth bones were collected on the Late Paleolithic site in the Chernigov region during excavations in 1954-57. Extensive study of the finds, first of all of the lower jaws, has produced new data on the existence of signs of sexual dimorphism. Two quite distinct forms of mandible were found, belonging to a male and to a female. Biometric analysis of the measurements of the jaws confirmed the existence of two forms of the mammoth mandible, bearing signs of sexual dimorphism. In his study of subject matter the author used (for comparison) 2 skeletons of Indian elephants safekept at the Institut zoologii AN UkrSSR (Institute of Zoology of the AS UkrSSR). There is 1 table

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SOV/21-59-5-20/25

Signs of Sexual Dimorphism in the Lower Jaws of the Mammoth

1 set of photos and 11 references, 4 of which are Soviet, 2 American, 3 German and 2 unidentified.

ASSOCIATION: Institut zoologii AN UkrSSR (Institute of Zoology of the AS UkrSSR)

PRESENTED: By V.G. Kas'yanenko, Member of the AS UkrSSR

SUBMITTED: January 15, 1959

Card 2/2

3(5)
AUTHOR: Korniyets', N.I.

SOV/21-59-7-20/25

TITLE: Investigation of the Individual Age of Mammoths

PERIODICAL: Dopovidi Akademii Nauk Ukrains'koi RSR, 1959, Nr 7, pp 780-784 (UkrSSR)

ABSTRACT: Data are presented on the ages of the mammoths from paleolithic site at the village of Mezin, Ponornitsa district, Chernigov region, Ukrainian SSR. A total of 2 380 bones, belonging to mammoths of various age, were examined. The individual age of the mammoth was determined by the lower jaw teeth (44 specimens). The reconstruction of the age composition of the mammoths from the paleolithic site at Mezin led to the following conclusions. The presence of bones belonging to mammoths of various age, from the embryonal to sexually mature, bears out the assumption of a large part, if not the whole, of a herd of mammoths being brought to bay and killed as a result of collective hunting. The finding of remains of large number of mammoth bones in paleolithic sites indicates intensive hunting

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Investigation of the Individual Age of Mammoths

of these animals by paleolithic men. Finally, considering the low fecundity of mammoths, the destruction of a large number of animals, chiefly young (up to 40 years of age), must have greatly affected the total number of mammoths. The excavation work was supervised by I.H. Pidoplichko and I. H. Shovkoplyas. (Institutes of Zoology and Archeology AS UkrSSR). There are 2 photographs, 1 table and 10 references, 5 of which are Soviet, 2 American, 2 German and 1 English

ASSOCIATION: Institut zoologii AN UkrRSR (Institute of Zoology AS UkrSSR)

PRESENTED: V. H. Kas'yanenko, Member AS UkrSSR

SUBMITTED: February 16, 1959

Card 2/2

KORNIYETS, M.L.

New find of late Paleolithic fauna in the Ukraine. Pratsi Inst.zool.AN URSR 15:126-127 '59. (MIRA 13:7)
(Zhitomir Province--Paleontology)

KORNIYETS, N. L.

Cand Biol Sci - (diss) "Reasons for the extinction of the mammoth in the territory of the Ukraine." Kiev, 1961. 17 pp; (Academy of Sciences Ukrainian SSR, Division of Biol Sci); 200 copies; price not given; (KL, 10-61 sup, 211)

ACC NR: AP6036762 SOURCE CODE: UR/0020/66/171/001/0147/0150

AUTHOR: Mikhaylov, V. A.; Korniyenich, M. V.; Polovinkina, R. A.

ORG: Institute of Inorganic Chemistry, Siberian Section, Academy of Sciences, SSSR (Institut neorganicheskoy khimii Sibirskogo otdeleniya Akademii nauk SSSR); Novosibirsk State University (Novosibirskiy gosudarstvennyy universitet)

TITLE: Method of determining the electric mobility of impurities in liquid metals and the mobility of bismuth in liquid gallium

SOURCE: AN SSSR. Doklady, v. 171, no. 1, 1966, 147-150

TOPIC TAGS: bismuth, gallium, nonferrous liquid metal

ABSTRACT: In order to find a method for extrapolating apparent values of the mobility u of an impurity in a liquid metal to zero time, an analysis was made of the kinetic curves of the accumulation of an impurity in a capillary, curves obtained by L. I. Ponomareva by solving with a computer the electrodiffusion equation

$$\frac{\partial c}{\partial \theta} = \frac{\partial^2 c}{\partial z^2} - S\frac{\partial c}{\partial z}$$

where c is a dimensionless concentration N/N_0, z a dimensionless length x/L (L being the length of the capillary), θ dimensionless time Dt/L^2 (D is the diffusion coefficient, t the time) and S a dimensionless parameter equal to BL/D (B is the velocity

Card 1/2 UDC: 541.13:546.3-19'681'87

ACC NR: AP6036762

of the impurity, the product of true mobility u_0 and the potential gradient). The analysis showed that the dependence of the observed mobility on θ at constant S is approximately linear in the range of considerable change in θ. At constant D and L, θ is proportional to the time of passage of the current, so that the extrapolation to zero time can be carried out in the coordinates u-t. The proposed method permits the determination of the effective diffusion coefficient D together with the mobility from the slope of the kinetic curves. The method was applied to the determination of the mobility of bismuth in liquid gallium. At Bi concentrations of 0.4 and 0.02%, the mobility values are $(5.80\pm0.19)\ 10^{-3}$ and $(6.77\pm0.50)\ 10^{-3}$ cm^2/V sec respectively. The paper was presented by Academician Voyevodskiy, V. V., 12 Feb 66. Orig. art. has: 4 figures and 5 formulas.

SUB CODE: 07, 11/ SUBM DATE: 01Feb66/ ORIG REF: 003/ OTH REF: 008

Card 2/2

KORNIYEVSKAYA, G. P.

KORNIYEVSKAYA, G. P.: "Material on the effect of Academician V. P. Filatov's 'bioginic stimulators' on the appearance and development of trace reactions in the blood systems." Min Higher Education USSR. Novocherkassk. Zooveterinary Inst imeni First Cavalry Army. Novocherkassk, 1956. (DISSERTATION FOR THE DEGREE OF CANDIDATE IN AGRICULTURE SCIENCE).

Knizhnaya letopis',
No. 25, 1956. Moscow.

TRUBITSYN, B.I.; SERGEYEV, V.A.; KORNIYEVSKAYA, G.P.

Comparative study of the immunobiological properies of the virus of foot-and-mouth disease. Veterinariia 41 no.2:14-18 F '65. (MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy virusologii i mikrobiologii.

KORNIYEVSKAYA, G.P.; KURCHENKO, F.P.

Sensitivity of the reaction of complement fixation during foot-and-mouth d'sease. Veterinariia 41 no.8:19-20 Ag '64.
(MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy virusologii i mikrobiologii.

KORNIYEVSKAYA, G.P.; KURCHENKO, F.P.

Effect of hydrocortisone and cortisone acetate on the change in the susceptibility of white mice to the virus of foot-and-mouth disease. Veterinariia 41 no.11:15-16 N '64.
(MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy virusologii i mikrobiologii.

KORNIYEVSKAYA, L.G.

Causes of pyrogenic properties of streptomycin preparations and measures for their control. Antibiotiki 3 no.1:119-121 Ja-F'58 (MIRA 11:5)

1. Kiyevskiy zavod meditsinskikh preparatov.
(STREPTOMYCIN, inj. eff.
pyrogenic, prev. & control (Rus))

KORNIYEVSKIY, D.N.

SAMOYLIVSKIY,M.B., kandidat tekhnicheskikh nauk; VOROTNIKOV,S.F., gornyy inzhener; SHIRAY,Ye.N., gornyy inzhener; KORNIYEVSKIY, D.N., inzhener; GORODNICHEV,V.M.

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SOV/124-58-8-8989

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AUTHOR: Kornonogov, A. P.

TITLE: The Isentropic Process of the Change in State of Gas-liquid Systems (Izoentropicheskiy protsess izmeneniya sostoyaniya gazozhidkostnykh sistem)

PERIODICAL: Sb. tr. Ufimsk. neft. in-ta, 1956, Nr 1, pp 137-151

ABSTRACT: The author studies the process of the reversible adiabatic change of state of a macroheterogeneous gas-liquid system the tow components of which (i. e., the gas and the liquid) may be of any type whatever, so long as they do not react with each other chemically. In the specified two-phase two-component system, the gas/vapor mixing ratio is assumed to be known and to remain constant throughout the adiabatic change-of-state process. The vapor content x and the system temperature T are adopted as the two parameters which determine the state of this particular gas-vapor-liquid system. It is assumed that the compound gas-liquid system may be regarded as consisting of two systems, the one a gas system and the other a vapor-liquid system, the parameters of either being determined by

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The Isentropic Process of the Change in State of Gas-liquid Systems

relationships that continue to prevail within the compound system. This being the case, the entropy and internal energy of the gas-vapor-liquid system are determined under the postulate that they are additive quantities. Employing simple thermodynamic relationships, the author evolves in integral form a basic equation expressing the relationship between the parameters x and T during an arbitrary change of state on the part of a gas-vapor-liquid system. By regarding as constant the specific heat of the liquid and the gas within a certain range of temperatures and assuming the change-of-state process to be isentropic he is enabled to derive in its final form a relationship for the state of a gas-vapor-liquid system. An examination is made of special cases wherein one of the ingredients is missing, either the vapor-liquid component or the gas. The author observes that when the missing ingredient is the gas the expression obtained is an approximate equation for the isentropic change of state of saturated, wet steam. It is asserted that, no matter what final state may be assumed or given for a compound gas-vapor-liquid system, its isentropic change of state can be readily calculated so long as the relationship between x and T is assumed to be a linear one. This assertion is supported with an example for which the author carries through the calculations. Bibliography: 3 references.

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